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KEREVAL HEALTHLAB - Project IHE EUROPE

User Guide

Assertion Manager – V2.x

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■ **Table of content**

1 INTRODUCTION	4
1.1 Purpose	4
1.2 Tool Overview	4
1.3 Concepts	4
1.4 Assertions	4
1.5 IdSchemes	5
1.5.1 Delete	6
1.5.2 View Xml	6
1.5.3 View IdScheme documents	6
1.6 Scopes	7
1.6.1 Delete	7
1.7 Import assertions	7
1.8 Assertion Coverage	7
1.9 Test	8
1.10 Test Step	10
1.11 Rules	11
1.12 Model based validation service (MBVservice)	12
1.13 Configuration	12
1.14 Add a MbvService	12
1.14.1 Edit	13
1.14.2 Delete	13
1.14.3 Coverage Synchronization	13
1.15 Coverage FeedBack	14
1.16 Idscheme Page	14
1.17 Assertions list page	15
1.18 Assertion detail page	16

1 Introduction

1.1 Purpose

This guide presents Assertion Manager tool functionalities.

1.2 Tool Overview

The assertion manager aims at linking Requirements (assertions) to the entity covering them.

An assertion can be covered by a :

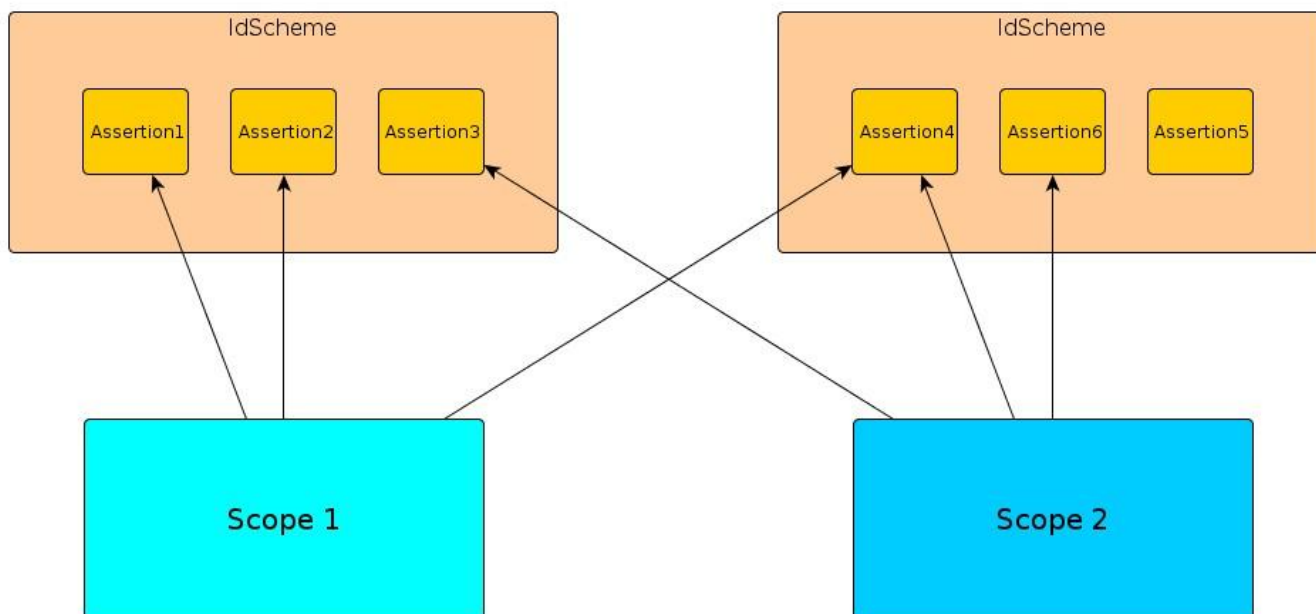
- Test
- Test step
- Technical framework rule
- Model based validation

The assertion manager is linked to gazelle Test Management in order to link assertions to test, test steps and technical framework rules.

The assertion manager can be linked to multiple model based validation services.

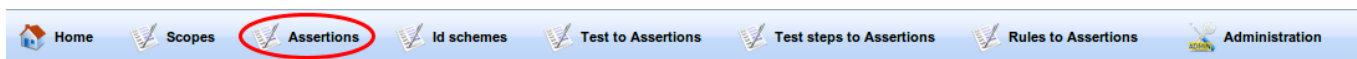
The assertion Manager provides a web service to query assertions, the api is described [here](#).

1.3 Concepts



1.4 Assertions

Click on "Assertions" link in the menu bar.



An assertion is the expression of a requirement.

An assertion is linked to an IdScheme.

An assertion is composed of:

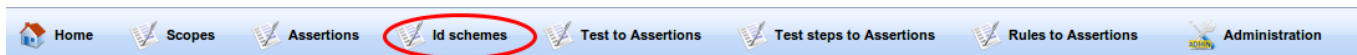
- AssertionId
- Predicate
- Prescription level
- Section
- Page
- A document



Assertion			
AssertionId	CONF-1		
Status	click to select		
predicate	The value for "ClinicalDocument / code" SHALL be "34133-9", "Summarization of episode note", 2.16.840.1.113883.6.1 LOINC STATIC		
Prescription level	Mandatory / Required / Shall		
Section	2.1		
Page	.13		
Provenance	Name	Revision	Action
HL7.org	HL7 Implementation Guide: CDA Release 2 – Continuity of Care Document (CCD)	April 01, 2007	

1.5 IdSchemes

Click on "Id schemes" link in the menu bar.



An IdScheme is used to group assertions from one document.

It is used to import assertions.

It provides coverage feedback.

Id schemes

Scope

Id scheme

Mbv Service

Import or update Assertions

Assertion coverage by IdScheme								
Id scheme	Total	Covered	Not covered	Covered Through tests	Covered Through TF rules	Covered by Mbv	Progress	Actions
C-CDA1	1167	1167 (100%)	0 (0%)	0	0	1167	<div style="width:100%; height:10px; background-color:green;"></div>	
CCD	551	376 (68%)	175 (32%)	0	0	376	<div style="width:68%; height:10px; background-color:green;"></div>	
CRC	206	0 (0%)	206 (100%)	0	0	0	<div style="width:0%; height:10px; background-color:red;"></div>	
DIS	30	24 (80%)	6 (20%)	0	0	24	<div style="width:80%; height:10px; background-color:green;"></div>	
ITI-2b	89	49 (55%)	40 (45%)	0	0	49	<div style="width:55%; height:10px; background-color:green;"></div>	
ITI-APPENDIX	64	7 (10%)	57 (90%)	0	0	7	<div style="width:10%; height:10px; background-color:green;"></div>	
PADV	37	35 (94%)	2 (6%)	0	0	35	<div style="width:94%; height:10px; background-color:green;"></div>	
PHARM	30	0 (0%)	30 (100%)	0	0	0	<div style="width:0%; height:10px; background-color:red;"></div>	
PRE	56	22 (39%)	34 (61%)	0	0	22	<div style="width:39%; height:10px; background-color:green;"></div>	
XCPD	38	0 (0%)	38 (100%)	0	0	0	<div style="width:0%; height:10px; background-color:red;"></div>	
Total	2268	1680 (74%)	588 (26%)	0	0	1680	<div style="width:74%; height:10px; background-color:green;"></div>	

1.5.1 Delete

Deleting one idScheme will delete all the assertions it contains.

To delete one IdScheme, click on the delete icon

A confirmation panel will appear then click on the delete button.

1.5.2 View Xml

- Click on the button:

It will open a new window containing the xml that describes the idSchemes and its assertions.

1.5.3 View IdScheme documents

- Click on the button:

It will list documents belonging to assertions in this idScheme.

Edit document

Provenance *

name *

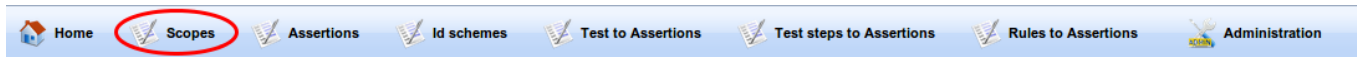
Revision *

uri *

Update all linked assertions status to: to be reviewed

1.6 Scopes

Click on "Scopes" link in the menu bar.



A scope provides a way to group assertions that are in different IdScheme.

A scope contains assertions and one assertion can be in 0 or multiple scopes.

1.6.1 Delete

Deleting one Scope **will not delete** the assertions it contains.

To delete one scope, click on the delete icon 

A confirmation panel will appear then click on the delete button.

1.7 Import assertions

Assertions can be imported into the AssertionManager. One assertionId must be unique in one IdScheme.

Please use the following template to create your assertion file: <http://gazelle.ihe.net/files/AssertionTemplate.xml>.

Then go to the IdScheme page and click the + Add button.

Select your .xml file containing your assertions.

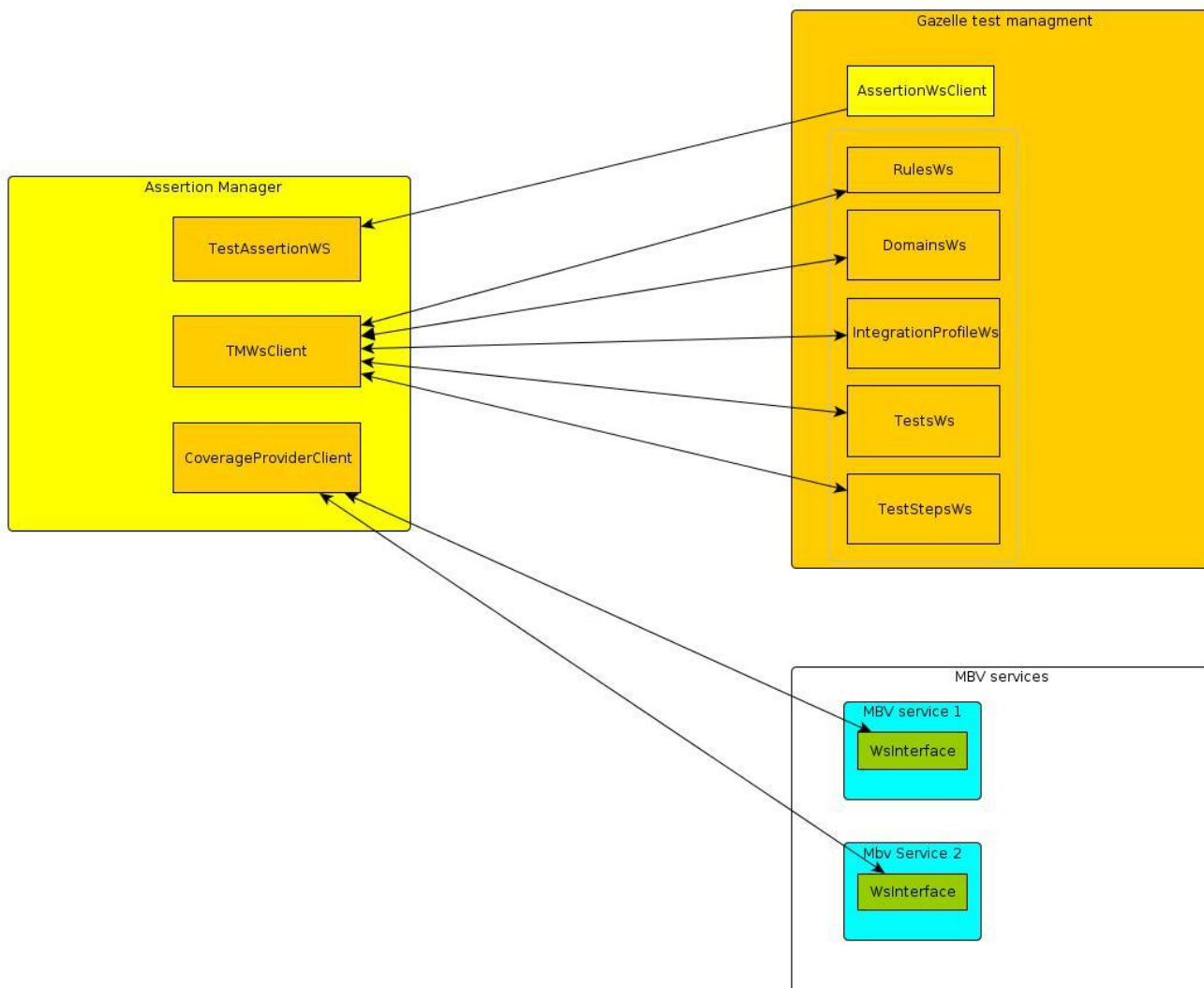
If the uploaded xml file contains an assertion that is already in assertion manager, then the assertion properties will be updated.

1.8 Assertion Coverage

An Assertion can be covered by:

- A test
- A test step
- A rule
- A Model based validation

Assertion manager queries gazelle test management to list all tests, test steps and rules available.



Configure gazelle_test-managment-url into administration page to point to your test management instance (example: <http://gazelle.ihe.net/GMM/rest/>).

Touch the deployed package so that new configuration are taken into account.

In the following chapters you will learn how to cover an assertion.

1.9 Test

- Click on "Test to Assertions" link in the menu bar.

Link tests to assertions

Test filter

Select domain:

Select integration profile:

Tests for profile	
Tests keyword	Covered?
This test () is linked to those assertions	

Assertion filter

Scope:

Id scheme:

Assertion id:

Covered by Any Rules Test Mbv

Not covered by Any Rules Test Mbv

Assertions id	#T	#R	#M	Predicate
Link to	CONF-1			The value for "ClinicalDocument / code" SHALL be "34133-9" "Summarization of episode note" 2.16.840.1.113883.6.1 LOINC STATIC
Link to	CONF-1			The value for "ClinicalDocument/code" SHALL be "61356-2" "Medication Pharmaceutical Advice" 2.16.840.1.113883.6.1 LOINC STATIC.
Link to	CONF-1			The value for "ClinicalDocument / code" SHALL be "57833-6" "Prescriptions" 2.16.840.1.113883.6.1 LOINC STATIC.
Link to	CONF-1			The value for "ClinicalDocument/code" SHALL be "60593-1" "Medication dispensed" 2.16.840.1.113883.6.1 LOINC STATIC.
Link to	CONF-1			The value for "ClinicalDocument/code" SHALL be "60593-1" "Medication dispensed" 2.16.840.1.113883.6.1 LOINC STATIC.
Link to	CONF-10			ClinicalDocument / effectiveTime SHALL include an explicit time zone offset
Link to	CONF-10			This id represents the Pharmaceutical Advice Item ID and SHALL be present.

To link a test to an assertion:

- Select a domain and integration profile.
- Select a test by clicking the select link on the test row.

Link tests to assertions

Test filter

Select domain:

Select integration profile:

Tests for profile		
Tests keyword	Covered?	Select
MHD_Get_Doc_Dossier	false	Select
MHD_Get_Document	false	Select
MHD_Find_Doc_Dossiers	false	Select
MHD_Source_Recipient	false	Select

This test () is linked to those assertions

It will display the test description and enable "Link to" and "Unlink" buttons in the right pane.

Link tests to assertions

Test filter

Select domain:

Select integration profile:

Tests for profile		
Tests keyword	Covered?	Select
MHD_Get_Doc_Dossier	false	Select
MHD_Get_Document	false	Select
MHD_Find_Doc_Dossiers	false	Select
MHD_Source_Recipient	false	Select

This test (MHD_Get_Doc_Dossier) is linked to those assertions

Select MScheme:

Assertion id:

Description of: MHD_Get_Doc_Dossier

Special Instructions

A Document Responder must be hosting documentEntry(ies) for one or more patients. Often a MHD Document Responder will also implement a Document Recipient. In that case, the Document Recipient may want to run test MHD_Source_Recipient before this one.

There are 3 connection tests between the MHD Document Consumer and Document Responder, one for each transaction between the two actors. These tests are marked "Required if Option is supported" for the Document Consumer, even though MHD has not specified a names option associated with each transaction. The Doc Consumer is required to support at least one of these transactions, and to complete 3 instances of the test(s) for the transaction(s) it supports. Many Doc Consumers will support more than one of these transactions and are encouraged to run these tests in parallel. The logical order in which to run the tests is

- MHD_Find_Doc_Dossiers [ITI-67]
- MHD_Get_Doc_Dossier [ITI-66]
- MHD_Get_Document [ITI-68]

Description

The Document Consumer uses HTTP Get to get a Document Entry (metadata) for a document residing on the Document Responder.

Evaluation

Ask the Doc Consumer to rerun the test steps in your presence.

(1) When the patientID and entryUUID match, the documentEntry is returned and displayed on the Consumer's MHD device.

(2) When the patientID is not found, a phrase like "Document Entry UUID not found" is displayed on the Consumer's MDH device.

Assertion filter

Scope:

Id scheme:

Assertion id:

Covered by Any Rules Test Mbv

Not covered by Any Rules Test Mbv

Assertions id	#T	#R	#M	Predicate
Link to	CONF-1			The value for "ClinicalDocument / code" SHALL be "34133-9" "Summarization of episode note" 2.16.840.1.113883.6.1 LOINC STATIC
Link to	CONF-1			The value for "ClinicalDocument/code" SHALL be "61356-2" "Medication Pharmaceutical Advice" 2.16.840.1.113883.6.1 LOINC STATIC.
Link to	CONF-1			The value for "ClinicalDocument / code" SHALL be "57833-6" "Prescriptions" 2.16.840.1.113883.6.1 LOINC STATIC.
Link to	CONF-1			The value for "ClinicalDocument/code" SHALL be "60593-1" "Medication dispensed" 2.16.840.1.113883.6.1 LOINC STATIC.
Link to	CONF-10			ClinicalDocument / effectiveTime SHALL include an explicit time zone offset
Link to	CONF-10			This id represents the Pharmaceutical Advice Item ID and SHALL be present.
Link to	CONF-10			A prescription item entry SHALL be a conformant Medication Entry 1.3.6.1.4.1.19376.1.5.3.1.4.7.
Link to	CONF-10			A dispense item entry SHALL contain at least one SupplyId.
Link to	CONF-10			A dispense item entry SHALL contain at least one SupplyId.
Link to	CONF-100			The value for "Observation / value" in an advance directive status observation SHALL be selected from ValueSet 2.16.840.1.113883.1.11.20.1 AdvancedDirectiveStatusCode STATIC 20081017
Link to	CONF-10003			Consol General Header Constraints MAY contain zero or more [0..*] participant (CONF-10003)
Link to	CONF-10004			Consol Participant Support MAY contain zero or one [0..1] time (CONF-10004)

- Click on the "Link to" in the assertion row to link to the selected test.

The button will become an unlink button in red.

Link tests to assertions

Test filter

Select domain: ITI
Select integration profile: MHD

Tests keyword	Covered?	
MHD_Get_Doc_Dossier	true	Select
MHD_Get_Document	false	Select
MHD_Find_Doc_Dossiers	false	Select
MHD_Source_Recipient	false	Select

This test (MHD_Get_Doc_Dossier) is linked to those assertions

Select idScheme	Assertion Id
CCD	CONF-1

Description of: MHD_Get_Doc_Dossier

Special Instructions

A Document Responder must be hosting documentEntry(ies) for one or more patients. Often a MHD Document Responder will also implement a Document Recipient. In that case, the Document Recipient may want to run test MHD_Source_Recipient before this one.

There are 3 connection tests between the MHD Document Consumer and Document Responder, one for each transaction between the two actors. These tests are marked "Required if Option is supported" for the Document Consumer, even though MHD has not specified a names option associated with each transaction. The Doc Consumer is required to support at least one of these transactions, and to complete 3 instances of the test(s) for the transaction(s) it supports. Many Doc Consumers will support more than one of these transactions and are encouraged to run these tests in parallel. The logical order in which to run the tests is

- MHD_Find_Document_Dossiers [ITI-67]
- MHD_Get_Document_Dossier [ITI-66]
- MHD_Get_Document [ITI-68]

Description

The Document Consumer uses HTTP Get to get a Document Entry (metadata) for a document residing on the Document Responder.

Evaluation

Ask the Doc Consumer to run the test steps in your presence.

(1) When the patientID and entryUUID match, the documentEntry is returned and displayed on the Consumer's MHD device.

(2) When the patientID is not found, a phrase like "Document Entry UUID not found" is displayed on the Consumer's MHD device.

Assertion filter

Scope: Covered by Any Rules Test Mbv
Id scheme: Not covered by Any Rules Test Mbv
Assertion Id:

Assertions Id	IT	RR	RM	Predicate
Unlink CONF-1	1	0	1	The value for "ClinicalDocument / code" SHALL be "34133-9" "Summarization of episode note" 2.16.840.1.113883.6.1 LOINC STATIC
Link to CONF-1				The value for "ClinicalDocument/code" SHALL be "61356-2" "Medication Pharmaceutical Advice" 2.16.840.1.113883.6.1 LOINC STATIC.
Link to CONF-1				The value for "ClinicalDocument / code" SHALL be "57833-6" "Prescriptions" 2.16.840.1.113883.6.1 LOINC STATIC.
Link to CONF-1				The value for "ClinicalDocument/code" SHALL be "60593-1" "Medication dispensed" 2.16.840.1.113883.6.1 LOINC STATIC.
Link to CONF-1				The value for "ClinicalDocument/code" SHALL be "60593-1" "Medication dispensed" 2.16.840.1.113883.6.1 LOINC STATIC.
Link to CONF-10				ClinicalDocument / effectiveTime SHALL include an explicit time zone offset
Link to CONF-10				This Id represents the Pharmaceutical Advice Item ID and SHALL be present.
Link to CONF-10				A prescription item entry SHALL be a conformant Medication Entry 1.3.6.1.4.1.19376.1.5.3.1.4.7.
Link to CONF-10				A dispense item entry SHALL contain at least one SupplyId.
Link to CONF-10				A dispense item entry SHALL contain at least one SupplyId.
Link to CONF-100				The value for "Observation / value" in an advance directive status observation SHALL be selected from ValueSet 2.16.840.1.113883.1.11.20.1 AdvanceDirectiveStatusCode STATIC 20061017
Link to CONF-10003				Consent General Header Constraints MAY contain zero or more [0..*] participant (CONF-10003)

1.10 Test Step

- Click on the "Test steps to assertions" menu link

A test steps belongs to test so as linking a test to an assertion, select the test.

Link test steps to assertions

Test filter

Select domain: ITI
Select integration profile: MHD

Tests for MHD profile

Tests available	Select
MHD_Get_Doc_Dossier	<input checked="" type="checkbox"/>
MHD_Get_Document	<input type="checkbox"/>
MHD_Find_Doc_Dossiers	<input type="checkbox"/>
MHD_Source_Recipient	<input type="checkbox"/>

This testStep () is linked to those assertions

Then select the test step by clicking on the test step row.

Link test steps to assertions

Test filter

Select domain:

Select integration profile:

Tests for MHD profile

Test description of: MHD_Get_Doc_Dossier

Special Instructions

A Document Responder must be hosting documentEntry(ies) for one or more patients. Often a MHD Document Responder will also implement a Document Recipient. In that case, the Document Recipient may want to run test MHD_Source_Recipient before this one.

There are 3 connection tests between the MHD Document Consumer and Document Responder, one for each transaction between the two actors. These tests are marked "Required if Option is supported" for the Document Consumer, even though MHD has not specified a names option associated with each transaction. The Doc Consumer is required to support at least one of these transactions, and to complete 3 instances of the test(s) for the transaction(s) it supports. Many Doc Consumers will support more than one of these transactions and are encouraged to run these tests in parallel. The logical order in which to run the tests is

- MHD_Find_Document_Dossiers [ITI-67]
- MHD_Get_Document_Dossier [ITI-66]
- MHD_Get_Document [ITI-68]

Description

The Document Consumer uses HTTP Get to get a Document Entry (metadata) for a document residing on the Document Responder.

Evaluation

Ask the Doc Consumer to rerun the test steps in your presence.

(1) When the patientID and entryUUID match, the documentEntry is returned and displayed on the Consumer's MHD device.

(2) When the patientID is not found, a phrase like "Document Entry UUID not found" is displayed on the Consumer's MDH device.

Test Steps

stepIndex	testRolesInitiator	testRolesResponder	transactionKeyword	Nb Assertions
30	DOC_CONSUMER-MHD	DOC_RESPONDER-MHD	ITI-66	
10	DOC_CONSUMER-MHD	DOC_CONSUMER-MHD		
40	DOC_RESPONDER-MHD	DOC_RESPONDER-MHD		
50	DOC_CONSUMER-MHD	DOC_RESPONDER-MHD	ITI-66	
60	DOC_RESPONDER-MHD	DOC_RESPONDER-MHD		

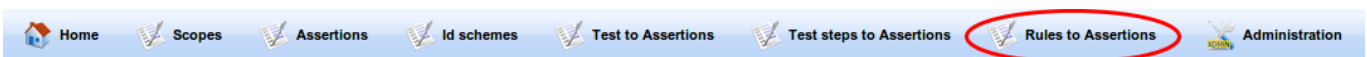
TestStep index:

This testStep () is linked to those assertions

Select IdScheme	Assertion Id

1.11 Rules

Click to the "Rules to assertions" menu link



To link a rule to an assertion :

- **1.** Search the rule to link with the rules filtering section number 1
- **2.** Rules will appear in the Filtered rules section, Select the rule to link in the section number 2, by clicking the select link in the rule row.
- **3.** Assertion linked to the rule will appear in the section number 3
- **4.** Search the assertion to link with the rule using the section number 4
- **5.** In the section number 5, link the assertion to the rule by clicking the Link to button. The section number 3 is updated.

Link rules to assertions

Rules filtering

Select domain: DENT
Select integration profile: SEDI

Filtered rules

Id	Name	#Assertions for this rule	Select Rule
1231	DENTAL_DOC_RECIPIENT/SEDI or DENTAL_DOC_SOURCE/SEDI/NONE requires SA/ATNA/NONE or SNIATNA/NONE	1	Select
1235	DENTAL_DOC_RECIPIENT/SEDI/DENTAL_EXCHANGE_EMAIL requires PM/ADM/NONE	0	Select
1233	DENTAL_DOC_RECIPIENT/SEDI/NONE requires DOC_RECIPIENT/XDR/NONE	0	Select
1237	DENTAL_DOC_RECIPIENT/SEDI/NONE requires DENTAL_DOC_SOURCE/SEDI/NONE	0	Select
1234	DENTAL_DOC_SOURCE/SEDI/DENTAL_EXCHANGE_EMAIL requires PM/ADM/NONE	0	Select
1232	DENTAL_DOC_SOURCE/SEDI/NONE requires DOC_SOURCE/XDR/NONE	0	Select
1230	DENTAL_DOC_SOURCE/SEDI/NONE or DENTAL_DOC_RECIPIENT/SEDI requires TIME_CLIENT/CT/NONE	0	Select
1236	DENTAL_DOC_SOURCE/SEDI/NONE requires DENTAL_DOC_RECIPIENT/SEDI/NONE	0	Select

Assertions linked to the selected rule

Select IdScheme	Assertion Id	Predicate
CCD	CONF-1	The value for "ClinicalDocument / code" SHALL be "34133-9" "Summarization of episode note" 2.16.840.1.113883.6.1 LOINC STATIC

Assertion filtering

Scope: Covered by: Any Rules Test Mbv
Id scheme: Not covered by: Any Rules Test Mbv
Assertion Id:

Filtered assertions

Assertions id	#T	#R	#M	Predicate
CONF-1	0	0	0	The value for "ClinicalDocument / code" SHALL be "34133-9" "Summarization of episode note" 2.16.840.1.113883.6.1 LOINC STATIC
CONF-1				The value for "ClinicalDocument / code" SHALL be "61356-2" "Medication Pharmaceutical Advice" 2.16.840.1.113883.6.1 LOINC STATIC
CONF-1				The value for "ClinicalDocument / code" SHALL be "57833-8" "Prescriptions" 2.16.840.1.113883.6.1 LOINC STATIC
CONF-1				The value for "ClinicalDocument / code" SHALL be "60593-1" "Medication dispensed" 2.16.840.1.113883.6.1 LOINC STATIC
CONF-1				The value for "ClinicalDocument / code" SHALL be "60593-1" "Medication dispensed" 2.16.840.1.113883.6.1 LOINC STATIC
CONF-10				ClinicalDocument / effectiveTime SHALL include an explicit time zone offset
CONF-10				This id represents the Pharmaceutical Advice Item ID and SHALL be present.
CONF-10				A prescription item entry SHALL be a conformant Medication Entry 1.3.6.1.4.1.19376.1.5.3.1.4.7.
CONF-10				A dispense item entry SHALL contain at least one SupplyId.
CONF-10				A dispense item entry SHALL contain at least one SupplyId.

1.12 Model based validation service (MBVservice)

Assertion manager can fetch assertion coverage from services that provides coverage services.

To provide a coverage service implement net.ihe.gazelle.assertion.ws.WsInterface from artifactId: gazelle-assertion-ws-coverage-provider and groupId: net.ihe.gazelle.assertion.

List of services that provides an assertion coverage service:

- CDAGenerator
- GazelleHL7Validator
- XdStarClient










1.13 Configuration

Go to Administration -> Mbv Services

The page lists all registered Mbv Services.

You can add, update, Delete a mbv Service and synchronize coverages.

Model based validation services

keyword	Url	#Assertions covered	Actions
CDAGenerator	http://gazelle.ihe.net/CDAGenerator	1624	  
GazelleHL7Validator	http://gazelle.ihe.net/GazelleHL7Validator	56	  
xdstarClient	http://gazelle.ihe.net/XDStarClient	0	  

[Add new mbv service](#)

1.14 Add a MbvService

To add a new Mbv Service click Add new mbv service :


- Set the keyword.
- Set the url to the service without trailing slash, example: <http://gazelle.ihe.net/CDAGenerator>.
- Click the **Add new mbv service** button

Edit MBV service

Keyword*

url*

1.14.1 Edit


- Click the edit button in the service row. 
- Click the update this mbv service button

Edit MBV service

Keyword*

url*

1.14.2 Delete

Click the delete cross in the mbv service row. 

1.14.3 Coverage Synchronization

Click on the synchronize button 

It will fetch the assertions covered by the service and display the synchronization status:

- **Covered assertions:** Assertions that are covered by the service and in Assertion manager.
- **No more covered:** Assertions that are no longer covered by the service and in Assertion manager.
- **Missing assertions:** Assertions that are covered by the service but not in Assertion manager.

Model based validation services

keyword	Uri	#Assertions covered	Actions
CDAGenerator	http://gazelle.ihe.net/CDAGenerator	1624	
GazelleHLValidator	http://gazelle.ihe.net/GazelleHLValidator	56	
xdsstarClient	http://gazelle.ihe.net/XDStarClient	0	

[Add new mbv service](#)

Refresh status

<p>Missing assertions The GazelleHLValidator Mbv service references oasis test assertions that are unknown</p> <ul style="list-style-type: none"> • assertionId: O-83 and idScheme: ITI-APPENDIX • assertionId: O-140 and idScheme: ITI-APPENDIX • assertionId: O-81 and idScheme: ITI-APPENDIX • assertionId: O-173 and idScheme: ITI-APPENDIX • assertionId: O-139 and idScheme: ITI-APPENDIX • assertionId: O-141 and idScheme: ITI-APPENDIX • assertionId: O-146 and idScheme: ITI-APPENDIX • assertionId: O-134 and idScheme: ITI-APPENDIX • assertionId: O-136 and idScheme: ITI-APPENDIX • assertionId: O-132 and idScheme: ITI-APPENDIX • assertionId: O-147 and idScheme: ITI-APPENDIX • assertionId: O-129 and idScheme: ITI-APPENDIX • assertionId: E-2 and idScheme: ITI-APPENDIX • assertionId: O-149 and idScheme: ITI-APPENDIX • assertionId: O-78 and idScheme: ITI-APPENDIX • assertionId: O-138 and idScheme: ITI-APPENDIX • assertionId: O-81 and idScheme: ITI-APPENDIX • assertionId: O-151 and idScheme: ITI-APPENDIX • assertionId: O-107 and idScheme: ITI-APPENDIX • assertionId: O-157 and idScheme: ITI-APPENDIX • assertionId: O-130 and idScheme: ITI-APPENDIX • assertionId: O-107 and idScheme: ITI-APPENDIX • assertionId: O-81 and idScheme: ITI-APPENDIX • assertionId: O-103 and idScheme: ITI-APPENDIX • assertionId: O-135 and idScheme: ITI-APPENDIX • assertionId: O-89 and idScheme: ITI-APPENDIX 	<p>No more covered The GazelleHLValidator Mbv service removed the coverage of the following assertions</p>	<p>Covered assertions The GazelleHLValidator Mbv service covers the following assertions</p> <ul style="list-style-type: none"> • assertionId: PDQv3-74 and idScheme: ITI-2b • assertionId: PDQv3-86 and idScheme: ITI-2b • assertionId: PDQv3-17 and idScheme: ITI-2b • assertionId: PDQv3-20 and idScheme: ITI-2b • assertionId: O-11 and idScheme: ITI-APPENDIX • assertionId: PDQv3-68 and idScheme: ITI-2b • assertionId: PDQv3-27 and idScheme: ITI-2b • assertionId: PDQv3-87 and idScheme: ITI-2b • assertionId: PDQv3-30 and idScheme: ITI-2b • assertionId: PDQv3-23 and idScheme: ITI-2b • assertionId: PDQv3-15 and idScheme: ITI-2b • assertionId: PDQv3-31 and idScheme: ITI-2b • assertionId: PDQv3-79 and idScheme: ITI-2b • assertionId: O-21 and idScheme: ITI-APPENDIX • assertionId: PDQv3-8 and idScheme: ITI-2b • assertionId: PDQv3-67 and idScheme: ITI-2b • assertionId: PDQv3-32 and idScheme: ITI-2b • assertionId: PDQv3-66 and idScheme: ITI-2b • assertionId: PDQv3-34 and idScheme: ITI-2b • assertionId: PDQv3-63 and idScheme: ITI-2b • assertionId: PDQv3-82 and idScheme: ITI-2b • assertionId: O-30 and idScheme: ITI-APPENDIX • assertionId: PDQv3-89 and idScheme: ITI-2b • assertionId: PDQv3-77 and idScheme: ITI-2b • assertionId: PDQv3-19 and idScheme: ITI-2b • assertionId: PDQv3-43 and idScheme: ITI-2b • assertionId: PDQv3-5 and idScheme: ITI-2b • assertionId: PDQv3-81 and idScheme: ITI-2b • assertionId: PDQv3-36 and idScheme: ITI-2b • assertionId: PDQv3-16 and idScheme: ITI-2b • assertionId: PDQv3-25 and idScheme: ITI-2b • assertionId: PDQv3-6 and idScheme: ITI-2b
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1.15 Coverage FeedBack

Assertion manager provides coverage details.

1.16 Idscheme Page

For each idScheme coverage statistics are displayed, and a progress bar to visualize assertion coverage.

- **#Covered throuh tests**
 - Number of assertions covered by a test or testStep or more
- **#Covered throuh rules**
 - Number of assertions covered by a rule or more
- **#Covered throuh MBV**
 - Number of assertions covered by MbvService validation or more

Id schemes

Scope

Id scheme

Mbv Service

Import or update Assertions

Assertion coverage by IdScheme								
Id scheme	Total	Covered	Not covered	Covered Through tests	Covered Through TF rules	Covered by Mbv	Progress	Actions
C-CDA1	1167	1167 (100%)	0 (0%)	0	0	1167	<div style="width:100%; height:10px; background-color:green;"></div>	
CCD	551	376 (68%)	175 (32%)	0	0	376	<div style="width:68%; height:10px; background-color:green;"></div>	
CRC	206	0 (0%)	206 (100%)	0	0	0	<div style="width:0%; height:10px; background-color:red;"></div>	
DIS	30	24 (80%)	6 (20%)	0	0	24	<div style="width:80%; height:10px; background-color:green;"></div>	
ITI-2b	89	49 (55%)	40 (45%)	0	0	49	<div style="width:55%; height:10px; background-color:green;"></div>	
ITI-APPENDIX	64	7 (10%)	57 (90%)	0	0	7	<div style="width:10%; height:10px; background-color:green;"></div>	
PADV	37	35 (94%)	2 (6%)	0	0	35	<div style="width:94%; height:10px; background-color:green;"></div>	
PHARM	30	0 (0%)	30 (100%)	0	0	0	<div style="width:0%; height:10px; background-color:red;"></div>	
PRE	56	22 (39%)	34 (61%)	0	0	22	<div style="width:39%; height:10px; background-color:green;"></div>	
XCPD	38	0 (0%)	38 (100%)	0	0	0	<div style="width:0%; height:10px; background-color:red;"></div>	
Total	2268	1680 (74%)	588 (26%)	0	0	1680	<div style="width:74%; height:10px; background-color:green;"></div>	

1.17 Assertions list page

This page lists all assertions and displays coverage statistics by assertion.

- #Covered by tests
 - Number of test or testSteps covering the assertion
- #Covered by rules
 - Number of rules covering the assertion
- #Covered by MBV
 - Number of validations performed by MbvServices covering the assertion

Assertions

Assertion filter

Scope

Id scheme

Assertion id

MbvService

Status

Covered by Any Rules Test Mbv

Not covered by Any Rules Test Mbv

2268 assertions found for this search

Id scheme	Assertion id	Status	#Covered by tests	#Covered by rules	#covered by MBV	Commentaire	Predicate	Actions
CCD	CONF-1	click to select	1	0	1	Click to edit	The value for "ClinicalDocument / code" SHALL be "34133-9" "Summarization of episode note" 2.16.840.1.113883.6.1 LOINC STATIC	
DIS	CONF-1	click to select	0	0	1	Click to edit	The value for "ClinicalDocument/code" SHALL be "60593-1" "Medication dispensed" 2.16.840.1.113883.6.1 LOINC STATIC.	
PADV	CONF-1	click to select	0	0	1	Click to edit	The value for "ClinicalDocument/code" SHALL be "61356-2" "Medication Pharmaceutical Advice" 2.16.840.1.113883.6.1 LOINC STATIC.	
PHARM	CONF-1	click to select	0	0	0	Click to edit	The value for "ClinicalDocument/code" SHALL be "60593-1" "Medication dispensed" 2.16.840.1.113883.6.1 LOINC STATIC.	
PRE	CONF-1	click to select	0	0	1	Click to edit	The value for "ClinicalDocument / code" SHALL be "57833-6" "Prescriptions" 2.16.840.1.113883.6.1 LOINC STATIC.	
CCD	CONF-10	click to select	0	0	1	Click to edit	ClinicalDocument / effectiveTime SHALL include an explicit time zone offset	

1.18 Assertion detail page

When viewing an assertion, a coverage section is visible.

The coverage section lists all the entities covering the assertion and provides a link to the entity.

It is possible to unlink a Test, Test step, rule from this page. When clicking the Unlink button, a confirmation panel is displayed.

Assertion

AssertionId: CONF-1

Status: click to select

predicate: The value for 'ClinicalDocument/code' SHALL be '34133-9' (SourceLocation of episode note) 2.16.840.1.113883.6.1.LOINC.STATIC

Prescription level: Mandatory / Required / Shall

Section: 2.1

Page: 13

Provenance	Name	Revision	Action
HL7.org	HL7 Implementation Guide: CDA Release 2 – Continuity of Care Document (CCD)	April 01, 2007	

Coverage

Tests	Rules	MBV
<ul style="list-style-type: none"> • MHD_Get_Doc_Dossier Unlink <p>Test Steps</p>		<ul style="list-style-type: none"> • ccd-ContinuityOfCareDocument-constraint_ccd_code